

## CLAIMS

1. A packet communication terminal apparatus comprising:

5       a receiving section that receives packet data; and  
      a notifying section that notifies, when packet loss occurs in a received packet data, information related to the packet loss through an user interface at real time.

10 2. The packet communication terminal apparatus according to claim 1, wherein the notifying section notifies the information related to the packet loss in conjunction with a real time display of received power.

15 3. The packet communication terminal apparatus according to claim 2 further comprising:

      an extracting section that extracts packet data belonging to a specific service from the received packet; wherein

20       the notifying section notifies, when packet loss occurs in the packet data received by the receiving section and extracted by the extracting section, the information related to the packet loss.

25 4. The packet communication terminal apparatus according to claim 2, wherein the notifying section displays the information related to the packet loss using

a message, a symbol, a mark, or an image on the same screen as the screen for displaying the received power.

5. The packet communication terminal apparatus  
5 according to claim 4, wherein the mark has a plurality of variations; and

the notifying section notifies the extent of the packet loss through the plurality of variations of the mark.

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6. The packet communication terminal apparatus according to claim 2 further comprising:

a compensation section that compensates the lost packet data with one of the compensation methods of a  
15 plurality of compensation methods determined in advance; and

a selecting section that selects one of the compensation method out of the plurality of compensation methods as a response to the notification of the  
20 information related to the packet loss from the notifying section.

7. The packet communication terminal apparatus according to claim 6, wherein one of the compensation  
25 methods of the plurality of compensation methods is a compensation method for replacing an audio signal in streaming reproduction with a silent signal.

8. The packet communication terminal apparatus according to claim 2 further comprising:

an incoming lamp that notifies an incoming of the  
5 packet data by flashing a lamp at a predetermined period;  
wherein

the notifying section notifies the packet loss by  
advancing the flashing period of the incoming lamp from  
the predetermined period.

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9. The packet communication terminal apparatus according to claim 2 further comprising:

a lamp that emits a light of a plurality of colors;  
wherein

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the notifying section notifies the incoming of the  
packet data by emitting the lamp with the light of a  
specific color out of the plurality of colors, and notifies  
the packet loss by emitting the lamp with a light of a  
color other than the specific color.

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10. The packet communication terminal apparatus according to claim 2, wherein the notifying section notifies the packet loss by outputting a predetermined sound from a speaker or an ear phone.

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11. A communication system comprising:

the packet communication terminal apparatus

according to claim 2; and

a base station that transmits test packet data that is not charged to the packet communication terminal apparatus.

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12. A method of communicating packet comprising the steps of:

receiving packet data; and

10 notifying, when packet loss occurs in the received packet data, information related to the packet loss through an user interface at real time.